

Amendment to Claims:

1. (currently amended) Apparatus for separating oil and debris from water run-off comprising:

a chamber having an upper inlet, said inlet being in the path of flow of the run-off;

a downwardly inclined ~~wedge wire~~ screen in said chamber extending from said inlet for advancement of the run-off thereacross;

a basin including debris-collecting means at a lower end of said screen, said screen inclining downwardly through said basin;

an organic absorber disposed behind said screen in the path of run-off passing through said screen for the absorption of organic oils in the run-off;

an outlet at a lower end of said chamber; and
discharge means for removal of run-off after it has passed through said organic absorber.

2. (original) Apparatus according to claim 1 wherein said organic absorber is buoyant.

3. (currently amended) Apparatus according to claim 1 wherein said basin is suspended within said chamber and includes an outer surrounding vertical wall including means terminating in said upper end of said screen to control overflow of run-off from said basin into said chamber.

4. (original) Apparatus according to claim 1 wherein said discharge means is mounted within said basin and includes a series of vertically spaced discharge orifices and overhanging baffles.

5. (original) Apparatus according to claim 4 wherein said discharge orifices are narrowed at a bottom end of said basin.

6. (original) Apparatus according to claim 1 wherein said screen is hinged to a lower end of said basin.

7. (original) Apparatus according to claim 1 wherein said chamber includes upper removable cover means for selective evacuation of debris collected in said basin.

8. (original) Apparatus according to claim 1 wherein said chamber has a lower sloped bottom panel and said outlet having a lower end flush with said bottom panel.

9. (original) Apparatus according to claim 1 wherein said wedge wire screen includes tilted wire wedge wire.

10. (currently amended) In apparatus for separating oil and debris from water run-off from a storm drain
a chamber disposed in the path of flow of the run-off having an inlet;
a downwardly inclined wedge wire screen in said

chamber extending from said inlet for advancement of the run-off thereacross;

a basin including debris-collecting means at a lower end of said screen, said screen inclining downwardly through said basin;

buoyant organic absorber means floating on the run-off in said basin for the absorption of organic oils in the run-off;

an outlet at a lower end of said chamber; and

discharge means for removal of run-off after it has passed through said organic absorber, said discharge means in a side wall of said basin.

11. (original) Apparatus according to claim 10 wherein said organic absorber means is disposed behind said screen.

12. (original) Apparatus according to claim 10 wherein said basin is suspended within said chamber and includes an outer surrounding vertical wall to control overflow of run-off from said basin into said chamber.

13. (original) Apparatus according to claim 10 wherein said discharge means is mounted within said basin and includes a vertical plate having a series of vertically spaced discharge orifices.

14. (original) Apparatus according to claim 13 wherein said discharge orifices are reduced in size at a lower end of said discharge means.

15. (original) Apparatus according to claim 10 wherein said screen is hinged to a lower end of said basin.

16. (original) Apparatus according to claim 10 wherein said chamber includes upper removable cover means for selective evacuation of debris collected in said basin.

17. (original) Apparatus according to claim 10 wherein said chamber has a lower sloped bottom panel and said outlet has a lower end flush with said bottom panel.

18. (currently amended) In apparatus for separating organic materials and debris from water run-off comprising:

a chamber for receiving the run-off;

a basin suspended within said chamber;

a downwardly inclined tilted wire wedge wire screen filter in said basin beneath an upper open end of said basin and traversing a substantial length of said basin;

said basin including debris collecting means at a lower end of said filter;

a buoyant organic absorber means floating on a surface of the run-off in said basin for the absorption of organic oils in the run-off;

an outlet at a lower end of said chamber; and

first discharge orifices for removal of run-off from said basin means in a wall of said basin for removal of the run-off after it is passed through said organic absorber and second

discharge means for the removal of any excess run-off over an upper end of said basin that is not removed by said first discharge means.

19. (original) In apparatus according to claim 18 wherein an acceleration plate is disposed at an upper end of said filter and disposed in said basin over which the run-off is advanced, and said absorber is disposed behind said filter.

20. (original) In apparatus according to claim 19 wherein said filter includes an upper acceleration plate.

21. (currently amended) In apparatus according to claim 18 wherein said ~~basin~~ first discharge means includes a plurality of discharge orifices ~~behind said filter~~ for removal of the run-off from said basin.

22. (original) In apparatus according to claim 21 wherein said discharge orifices are disposed in vertically spaced relation to one another and baffle plates extend in overhanging relation to said orifices.

23. (currently amended) A method for filtering debris and organic materials comprising:

directing urban run-off through an upper inlet of a chamber;

filtering said run-off through a tilted wire wedge wire screen inclining downwardly through a basin;

depositing debris at a base of said wedge wire screen;

absorbing organic oils in said run-off with an organic absorber; and

discharging filtered run-off through ~~discharge plates~~
openings in a vertical wall of said basin.

25. (original) The method according to claim 24 including the step of accelerating said run-off through said wedge wire screen with an acceleration plate.

26. (original) The method according to claim 24 including the step of removing said absorber pillow with a lift hand.

27. (original) The method according to claim 26 including the step of pivoting said wedge wire screen laterally for removal of said pillow.

28. (original) The method according to claim 24 including the step of evacuation of said debris with a suction device.